MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER 1951

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

OCTOBER 1951

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.1	58.9	60.2	59.7	29.2	20.9	26.0	28.9	24.7	26.5
2	60.9	60.0	61.3	60.7	28.3	20.9	25.6	28.2	24.0	25.9
3	59.9	59.0	57.7	58.9	28.8	23.4	25.1	28.3	24.0	25.8
4	54.5	53.9	57.2	55.2	29.1	20.5	25.3	28.2	23.6	25.7
5	57.7	57.6	58.4	57.9	28.1	22.1	25.0	28.1	23.3	25.5
6	56.5	59.2	53.2	56.3	32.1	24.2	26.7	28.4	28.9	28.0
7	55.9	55.8	56.8	56.2	28.0	23.0	26.6	25.2	23.7	25.2
8	58.3	58.5	59.4	58.7	28.6	17.9	24.4	27.4	22.9	24.9
9	60.2	55.5	57.0	57.6	27.0	17.6	18.2	26.1	25.6	23.3
10	59.9	59.3	59.5	59.6	27.2	20.2	23.4	26.3	22.3	24.0
11	61.0	60.7	59.5	60.4	26.0	20.3	23.8	25.2	22.2	23.7
12	59.0	56.7	54.8	56.8	27.3	21.1	23.8	27.1	27.6	26.2
13	56.2	56.6	56.5	56.4	26.0	18.6	23.9	24.7	26.6	25.1
14	59.1	59.1	60.6	59.6	24.6	17.3	21.1	24.3	20.1	21.8
15	62.5	61.9	63.0	62.5	24.8	18.1	18.7	22.6	21.2	20.8
16	63.1	62.5	62.2	62.6	24.5	19.3	21.9	23.8	21.1	22.3
17	61.5	60.4	60.5	60.8	24.6	18.1	22.7	23.9	18.9	21.8
18	61.0	60.5	61.1	60.9	24.6	17.7	21.7	24.0	20.5	22.1
19	61.4	61.5	62.3	61.7	25.3	17.8	21.4	25.3	21.1	22.6
20	63.1	62.9	63.0	63.0	25.2	18.1	21.7	21.7	21.0	21.5
21	63.1	61.4	61.8	62.1	25.2	18.1	21.4	21.6	21.1	21.4
22	61.3	60.8	61.2	61.1	25.5	12.7	23.1	27.9	20.5	23.8
23	61.9	62.2	62.7	62.3	24.9	11.7	18.1	21.7	20.5	20.1
24	60.1	62.3	63.1	61.8	25.8	14.1	21.7	21.8	20.5	21.3
25	63.8	63.2	61.3	62.8	24.9	14.7	21.1	24.0	21.4	22.2
26	62.1	61.9	60.5	61.5	25.5	16.5	22.4	24.7	22.8	23.3
27	59.3	59.5	60.8	59.9	27.8	18.9	24.4	25.8	23.9	24.7
28	62.4	61.3	62.0	61.9	24.9	14.3	22.2	23.8	21.0	22.3
29	62.6	62.2	63.1	62.6	25.0	12.8	21.1	23.4	22.8	22.4
30	63.8	62.6	63.0	63.1	22.1	17.0	21.7	20.5	19.0	20.4
31	62.9	61.2	60.9	61.7	22.5	17.3	19.8	22.2	19.4	20.5
	60.49	59.97	60.15	60.20	26.24	18.23	22.71	25.00	22.46	23.39

Barometer, range for month 763.8 mm. — 753.2 mm
„ 71-yr. average for month 761.31 mm.
Thermometer, range for month 32.1°C — 11.7°C
„ 71-yr. average for month 24.51°C
Rain total for month 86.10 mm.
„ 71-yrs average for month 50.02 mm.
„ Total, Sept. 1st. to end of month 103.62 mm.
„ 71-yrs. average. Sept. 1st. to end of month 56.21 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	19.8	21.5	22.4	21.2	57	54	73	61			
2	22.8	24.0	20.3	22.4	69	61	69	66			
3	20.7	24.7	20.3	21.9	66	64	68	66			
4	20.0	24.7	20.1	21.6	65	64	71	67			
5	21.2	25.4	19.5	22.0	68	65	68	67			12.95
6	20.6	24.0	13.8	19.5	60	63	35	53			
7	20.6	25.3	23.5	23.1	60	80	79	73			1.27
8	21.1	19.5	17.5	19.4	69	56	65	63			0.25
9	18.8	18.5	18.9	18.7	90	55	58	68			3.05
10	19.5	18.5	19.2	19.1	68	54	71	64			
11	20.3	20.0	18.6	19.6	69	63	71	68			
12	19.7	12.8	23.0	18.5	65	35	61	54			1.78
13	22.8	21.7	24.6	23.0	77	72	71	73			13.46
14	20.0	19.8	16.9	18.9	80	65	74	73			31.75
15	19.3	18.1	16.5	18.0	92	65	65	74			7.11
16	17.8	17.8	18.9	18.2	70	60	74	68			
17	17.5	17.2	17.8	17.5	64	60	82	69			
18	15.0	17.2	14.8	15.7	58	59	60	59			
19	16.1	17.5	17.1	16.9	62	56	70	63			
20	16.1	21.4	16.5	18.0	62	83	66	70			
21	17.4	22.2	23.8	21.1	64	82	95	80			
22	18.9	12.4	15.9	15.7	65	33	65	54			
23	19.8	23.3	18.1	20.4	97	90	75	87			13.46
24	19.6	23.3	19.3	20.7	74	91	80	82			
25	16.5	14.3	20.0	16.9	66	49	80	65			
26	16.8	13.9	15.2	15.3	62	46	54	54			
27	20.5	22.1	20.9	21.2	66	68	71	68			
28	19.2	17.8	16.5	17.8	72	60	67	66			
29	17.7	17.1	13.5	16.1	72	60	48	60			0.51
30	17.2	19.3	17.2	17.9	67	79	78	75			0.51
31	15.8	15.7	14.6	15.4	67	58	64	63			
	19.00	19.71	18.55	19.09	69.1	62.9	68.6	66.9			2.78

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	2cu-ci	8cu-ni	3.3	1sw	1sw	1sw	light	Tr., P.M.
2	4cu	2cu	5cu	3.7	1sw	2w	1sw	,,	
3	1ci	4ci	0	1.7	1sw	1sw	1sw	,,	
4	0	0	1cu	0.3	1sw	1w	1sw	,,	
5	4cu	2cu	6cu-ci	4.0	1sw	1sw	1sw	slight	
6	5cu-ci	3cu-ci	0	2.7	1sw	2ne	1se	light	
7	10cu-st	10cu-ni	10cu	10.0	2sw	2w	1sw	slight	Tr., A.M.
8	3cu	2cu	2cu	2.3	2sw	2w	1sw	light	
9	10ni	9cu	10cu-st	9.7	3sw	2sw	3sw	mod.	
10	2cu	3cu	2cu	2.3	2sw	1sw	1sw	light	
11	4cu	1cu	9ci-st	4.7	1sw	1sw	1sw	light	
12	0	0	1ci	0.3	1sw	1sw	1sw	,,	
13	10cu	9cu-ni	8cu	9.0	4sw	3sw	2sw	slight	
14	9cu	8cu	7cu-st	8.0	1sw	1sw	1sw	,,	
15	10ni	8cu	8cu	8.7	1sw	1sw	1sw	light	
16	9cu	7cu	4cu	6.7	1sw	1sw	1sw	light	
17	4cu	3cu	0	2.3	1sw	2sw	3ne	slight	
18	0	1cu	0	0.3	1sw	1sw	1sw	light	
19	3cu	3cu	3cu	3.0	1sw	1sw	0	,,	
20	0	0	0	0.0	1sw	1sw	1sw	,,	
21	0	0	0	0.0	1sw	1sw	1sw	light	
22	4cu	5cu	0	3.0	2sw	2sw	1sw	,,	Tr. P.M.
23	10ni	3cu	2cu	5.0	2sw	2sw	1sw	,,	
24	0	3ci	0	1.0	1sw	1sw	1sw	,,	
25	0	0	0	0.	2ne	1sw	1ne	,,	
26	5cu-ci	3cu-ci	0	2.7	1sw	1ne	1ne	light	
27	5cu-ci	7cu-ci	0	4.0	1sw	1sw	1sw	calm	
28	5cu-ci	5cu	0	3.3	2sw	1sw	1sw	slight	
29	6cu-ni	5cu-ni	0	3.7	2sw	2sw	2sw	,,	
30	8cu	7cu	0	5.0	2sw	1sw	2sw	,,	
31	0	3cu	0	1.0	1sw	2ne	1sw	,,	
				3.60					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	0	0	31	0	0	0	31
14:30	0	4	0	0	0	23	4	0	0	31
20:30	0	3	0	1	0	26	0	0	1	31
Total	0	7	0	1	0	80	4	0	1	93

Number of days with rain 11, fog 0, thunderstorms 0, gale 0.
71 yr. av. number of days with rain during month 3.84